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Twelfth Annual Report

of the

University of Illinois
Health Service

1927-28

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UNIVERSITY OF ILLINOIS

TWELFTH ANNUAL REPORT

of the

UNIVERSITY OF ILLINOIS
HEALTH SERVICE

THE UNIVERSITY OF ILLINOIS

CHAMPAIGN, ILL. 61820

UNIVERSITY OF ILLINOIS

1927-1928

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1927/28

TWELFTH ANNUAL REPORT OF THE HEALTH SERVICE
UNIVERSITY OF ILLINOIS

1927-1928

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Urbana, Illinois

To the President of the University

Dear Sir:

I have the honor to submit, herewith, the following supplementary report of the activities of the Health Service for the academic year of 1927-28.

There was a total of 57,991 visits to the Health Service this year, an increase of 2.7 per cent over the year before. This total includes 4,271 calls as a result of the required physical examination on entrance to the University, 1090 for re-examination, and 1634 as a result of the exposure of students to communicable disease and the institution of a modified quarantine.

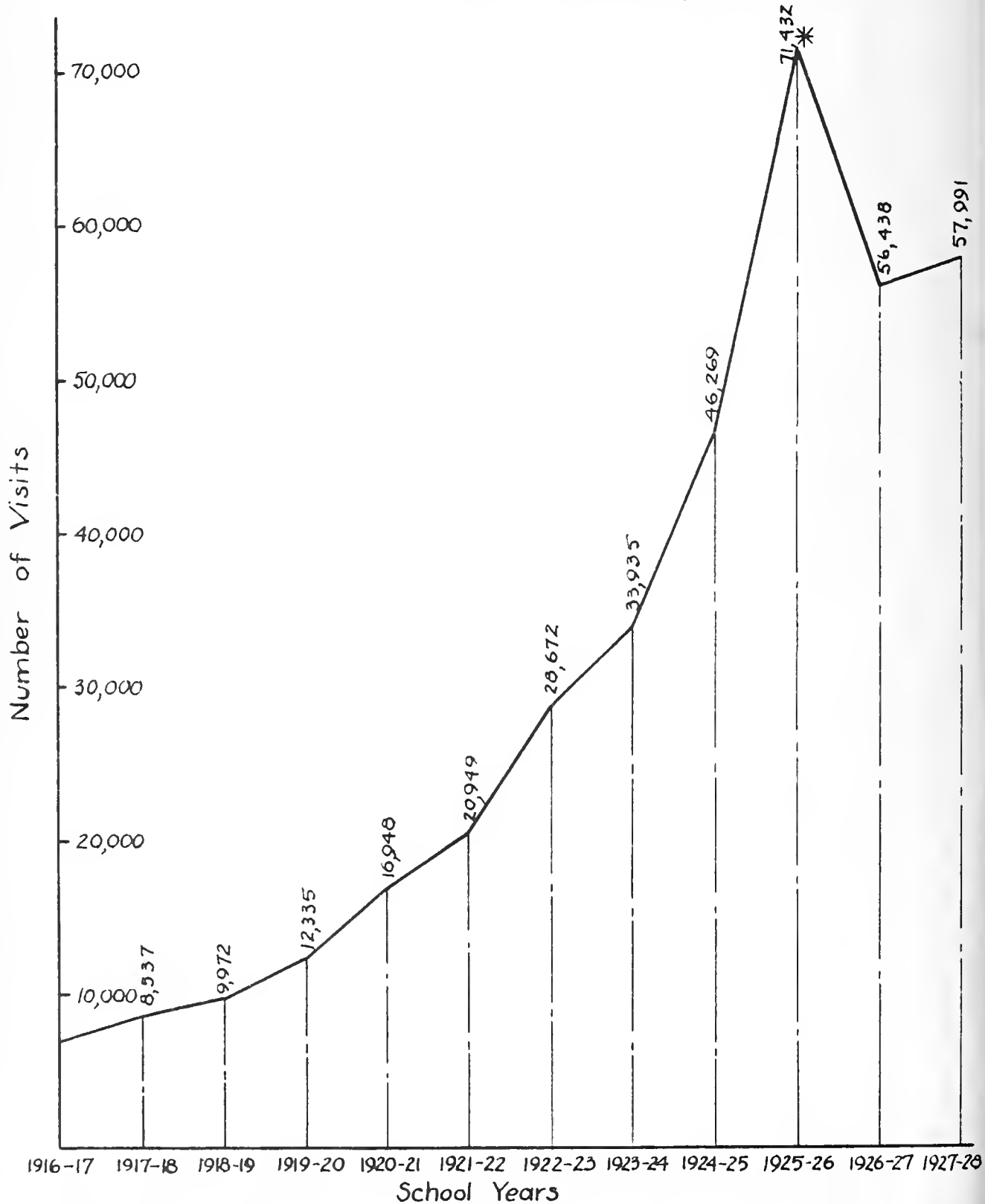
Of the members of the class of 1931, 83.4 per cent of the men and 94.03 per cent of the women have called one or more times for conference and advice in addition to their required physical examination.

Exclusive of the visits from July 1 to September 15, those for the required physical examination, and those for re-examination, the number of visits per student registered in the University is 5.02 which is an increase per capita of .04 over last year.

The men of the class of 1931 called 15,324 times, an average of 5.3 visits per man for the year; the women made 5727 visits or an average of 4.2 per student.

With the permission of the local boards of health and in accordance with the practice of the State Department of Health, a total of 580 students who had been exposed to mild communicable disease were allowed to attend classes, but were kept under close

I
 CHART SHOWING NUMBER OF VISITS
 DURING YEARS INDICATED
 UNIVERSITY OF ILLINOIS HEALTH SERVICE 1927-28



*Increase mainly due to threatened smallpox epidemic.

observation. This modified quarantine saved a total of 7,237 days absence from school.

There were 1,344 students cared for at the McKinley Hospital. This is a decrease of 6.6 per cent over the previous year. The total number of days spent in the hospital was 4,995, an average of 3.7 days per patient, the lowest since 1915 when the University began providing hospital facilities for the students.

The University regulation that new employees in departments distributing foods must have their communicable disease and carrier status determined was thoroughly observed. A total of 223 employees were examined in conformity with the amended rules of October 12, 1927 to keep their immunity up to the standard recognized by health authorities as essential to the protection of both the foodhandler and the patrons of the place in which he works.

Under regulations concerning University automobiles and automobiles in University service passed by the Board of Trustees which went in effect in June 1928, requiring all drivers of University automobiles to pass an examination in vision, hearing and nervous reaction, 25 examinations were given at the end of the month before the beginning of the new fiscal year.

The Health Service has maintained close cooperation with the Department of Physical Education, in the classification of students for gymnastic work and in the examination of those engaged in competitive athletics. Students engaged in major sports were re-examined and particular consideration was given to their heart and kidneys upon which falls a greater part of the strain of strenuous physical activity.

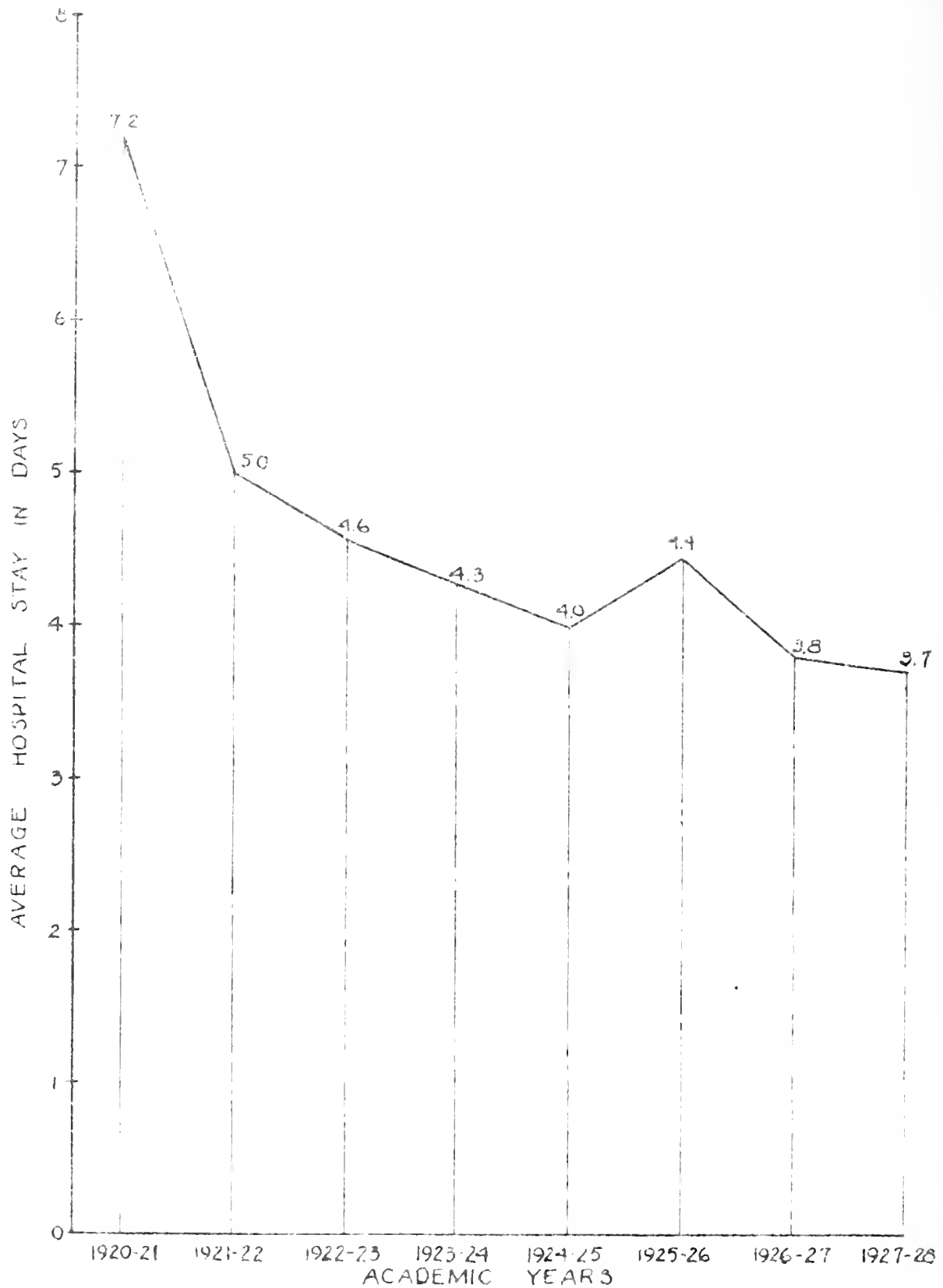
Three students were asked to discontinue athletics altogether because of physical defects discovered which were unknown to them before their examination. The various athletic coaches have shown a broad-minded interest in these tests and have given the Health Service Staff excellent support in having the student adopt the work best suited to his welfare. One student expecting to make coaching a career was advised to change his plans and to select a course of training in which his physical condition would not prove a handicap.

There were 725 students as compared to 1031 last year who had to be re-examined to determine their physical condition to take military and regular gymnastics. Because of recent operations or convalescence from prolonged illnesses, 124 students were recommended for temporary excuses from these subjects, 378 were assigned to special classes in individual gymnastics and 114 were permanently excused from military because of failure to meet the requirements of the War Department. A total of 93 students who were physically ineligible for commission were permitted to take military as an academic subject. Their condition did not make the taking of military an undue hazard. It was necessary to excuse two students from both military and physical education because of the seriousness of their defects made the taking of these subjects too great a risk.

The present plan of giving the prospective student his physical examination any time after high school graduation and before registration brings more and more parents to the Health



CHART SHOWING AVERAGE HOSPITAL
STAY PER PATIENT



Service with their sons and daughters. An opportunity is thus presented to demonstrate the purpose and usefulness of the department and lays the foundation for the cooperation of the parent and the institution in the promotion of the physical welfare of the students.

Each year the Health Service makes better contact with physicians who write in concerning the condition of students. They often give most helpful information concerning their former patients. An increasing number of students are being sent by their family physicians to us with the statement, "the Health Service will examine you and tell you what should be done."

In its relation to the student body, the Health Service adheres strictly to an advisory and disease prevention policy. The members of its staff are concentrating their effort upon diagnosis because obviously sound opinion is impossible without knowledge of the condition concerning which advice is sought. With the physical examination and health education becoming the next great steps in the advancement of preventive medicine, the roll of a Student Health Service in the progress of medicine and the promotion of public welfare becomes increasingly clear.

During the year a study was made of disease trends in the student body, a complete report of which is rapidly nearing completion.

The Medical Staff of the Health Service has gone over the medical records of all students who were placed on probation on account of low grades. It has been possible to help a few students in this group by having them seek relief of physical handicaps capable of influencing scholarship.

No epidemic occurred among students during the year. Sporadic cases of German measles, red measles, scarlet fever, chickenpox, mumps, diphtheria, malaria and smallpox appeared but secondary cases were prevented by strict measures of control.

Civil Service employees of the University made a total of 1,180 visits to the Health Service Station during the year. There were 128 visits due to accidents. While no fatalities occurred among them for the twelve months, ending July 1, 1928, thirty-nine employees requiring prolonged care, roentgenograms, reduction of fractures, or specialist's service for injuries to the eye, were referred to outside doctors.

PHYSICAL EXAMINATIONS

A total of 4,271 students were given complete physical examinations during the year, a decrease of 7.1 per cent over the previous year. Of this number 2,925 were men and 1,346 were women, a ratio of 2.1 to 1. It cost 29.3 cents per capita to examine each man at the time of registration and 31.2 cents for each woman. Of the students examined 736 men and 354 women were given a follow-up re-examination during which their physical defects and ailments were discussed with them and they were advised to consult their family physicians, specialists or dentists.

The detailed data upon the medical histories and physical examinations of the members of the class of 1931 will be found in the Tables I, II, and III of the appendix. A comparison is made with the class of 1930. The figures are based upon the physical examinations for the year and represent 2,925 men and 1,346 women.

TYPES OF MEDICAL ATTENTION GIVEN STUDENTS AND EMPLOYEES

Table I

	<u>1926-27</u>	<u>1927-28</u>
Advice in Case of Illness	7356	7386
First Aid in Injury and Infection	12723	11505
Sent to Hospital	653	637
Referred to Specialists	1475	1384
Excuses Recommended		
Women	4122	4510
Men	6238	8362
Urinalysis	6085	5390
Complete Physical Examinations	4599*	4483 *

*Includes physical examinations of entrance September and February.

Table II

MONTHLY DISTRIBUTION OF VISITS

	<u>Student</u>		<u>Civil Service</u>		<u>Total</u>
	<u>Men</u>	<u>Women</u>	<u>Men</u>	<u>Women</u>	
July	259	258	115	10	642
Aug.	462	247	128	5	842
Sept.	5281	1519	90	9	6899*
Oct.	4807	2126	55	22	7010
Nov.	4293	1855	64	16	6228
Dec.	3656	1499	75	11	5241
Jan.	3724	1390	61	6	5181
Feb.	3967	1967	133	14	6081*
March	5299	2702	96	11	8108
April	3385	1552	99	8	5044
May	3731	1723	79	6	5539
June	656	453	61	6	1176
Total	<u>39520</u>	<u>17291</u>	<u>1056</u>	<u>124</u>	<u>57991</u>

*Includes physical examination on entrance.

CIVIL SERVICE EMPLOYEES

There were 153 civil service applicants for the position of laborer or domestic at the University who were given complete physical examinations during the year. Of this total eight were women and 145 were men. Their physical classification is given

below. Detailed results of the examinations will be found in Table VI of the appendix.

Table IV

RESULTS OF PHYSICAL EXAMINATIONS OF EMPLOYEES

Total number examined	153
Grade given:	
Excellent	7
Good	106
Fair	36
Poor	4

The visits of civil service employees totaled 1180 this year, an increase of 27.1 per cent over last year.

There were 122 employees seen because of injuries for a total of 471 visits. The visits per employee injured tends to be high because of the policy of keeping the workman under observation until likelihood of complication and infection is passed. Local doctors and specialists treated 39 injured employees during the year.

Table V
SUMMARY OF INJURIES OF EMPLOYEES
1927-28

<u>By Location</u>		<u>By Classification</u>	
Arms	6	Foreign body in eye	12
Body	14	Lacerations	22
Eyes	19	Abrasions	9
Fingers	40	Incisions	15
Feet	11	Sprains	13
Hands	11	Contusion	29
Neck	1	Fracture	3
Head	8	Infection	8
Joints	5	Burn	8
Legs	6	Splinter	3
Toes	1		
Total	<u>122</u>		<u>122</u>

MEDICAL SUPERVISION OF FOOD HANDLERS

The medical supervision of all University employees who come in contact with food in the Dairy Department, University Cafeteria, Woman's Residence Hall, University Hospital and Davenport House was maintained throughout the year. As in the past those who had not been immunized for typhoid fever within three years were inoculated and were re-vaccinated against small-pox unless their vaccination was less than five years old. Before immunization of prospective food handlers, Widal tests of blood were made. If a history of typhoid fever was given, repeated examinations of the feces were made.

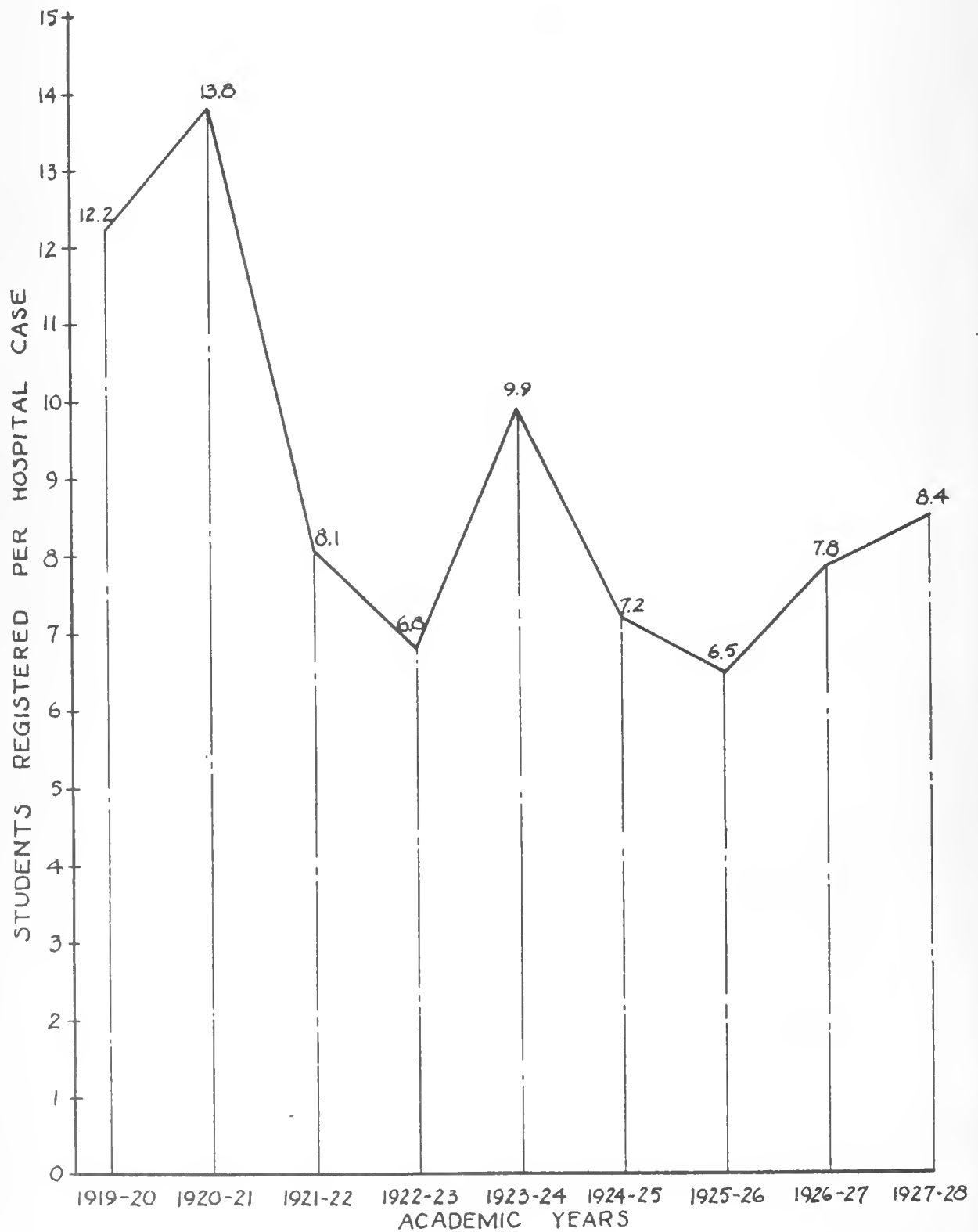
Table VI

DISTRIBUTION OF FOOD HANDLERS

<u>Department</u>	<u>Student</u>	<u>Civil Service</u>	<u>Total</u>
Dairy	97	5	102
Hospital	13		13
Cafeteria	17	5	22
Davenport House	4		4
Woman's Residence Hall	38	7	45
Unclassified	37		37
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CHART SHOWING RELATION BETWEEN HOSPITAL
CASES AND NUMBER OF STUDENTS
ATTENDING UNIVERSITY

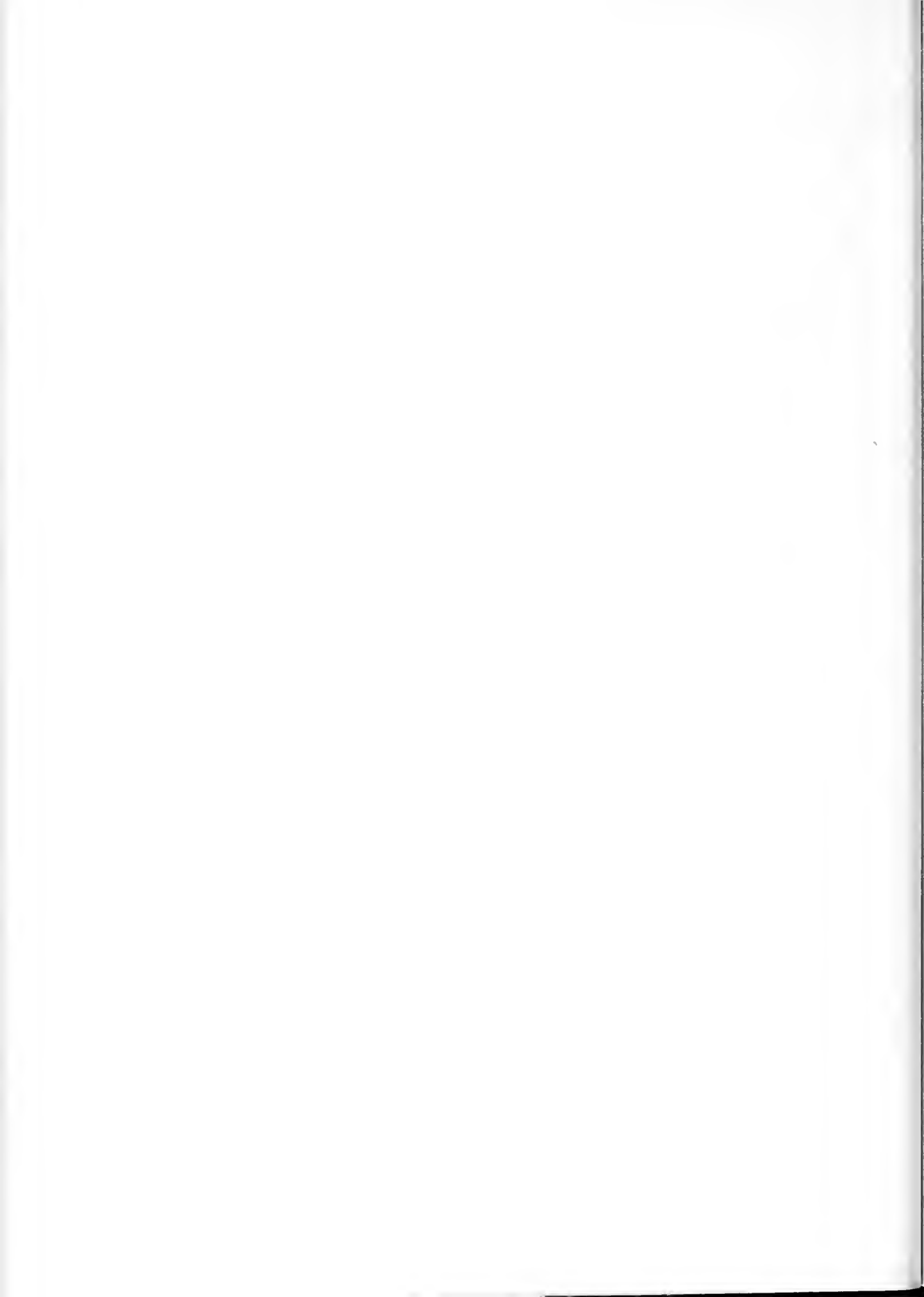


STUDENT HOSPITAL

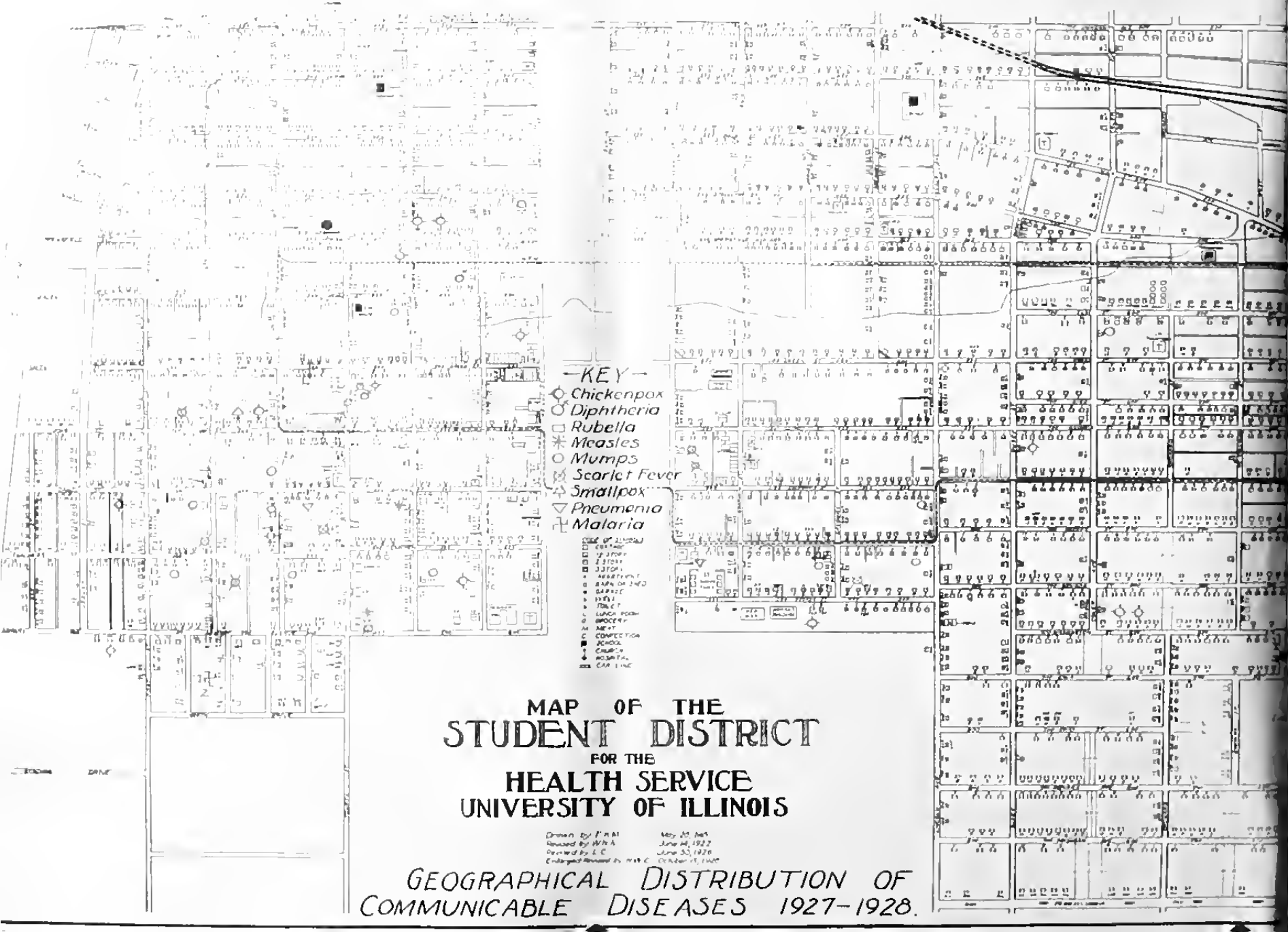
A total of 1,344 patients were cared for at McKinley Hospital for a total of 4,995 hospital days, an average of 3.7 days per patient, the lowest since the University began hospitalization of sick students in 1915. During the year 11.9 per cent of the students registered, or one out of every 8.4 used the hospital. In the first semester 5,689 or 53 per cent of the students registered were members of the Hospital Association; the second semester 4,307 or 44 per cent. Table VII shows the number of patients in the Hospital by months. The peak was reached in March which is in accordance with the experience of the past twelve years with the exception of 1924-25.

COMMUNICABLE DISEASE

Table VII gives a comparison of the admission of patients for communicable and non-communicable disease at the McKinley Hospital. The former caused 27 per cent of student illness, the latter 73 per cent. There were 78 more cases of communicable disease this year than last or 34 per cent increase.



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-KEY-

- Chickenpox
- ⊗ Diphtheria
- ◻ Rubella
- * Measles
- Mumps
- ⊗ Scarlet Fever
- △ Smallpox
- ▽ Pneumonia
- ⊕ Malaria

- OFFICE OF STUDENT HEALTH
- CAFETERIA
- LIBRARY
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- ASSEMBLY HALL
- MAIN OFFICE
- GARAGE
- HOTEL
- LUNCH ROOM
- BROCCOLI
- M. A. T.
- CONNECTION
- SCHOOL
- CHAPEL
- HOSPITAL
- CAR LINE

**MAP OF THE
STUDENT DISTRICT
FOR THE
HEALTH SERVICE
UNIVERSITY OF ILLINOIS**

Drawn by F.M.H. May 25, 1927
Revised by W.H.A. June 14, 1927
Corrected by L.C. June 30, 1928
Enlarged Revised by H.B.C. October 15, 1928

**GEOGRAPHICAL DISTRIBUTION OF
COMMUNICABLE DISEASES 1927-1928.**

Table VII

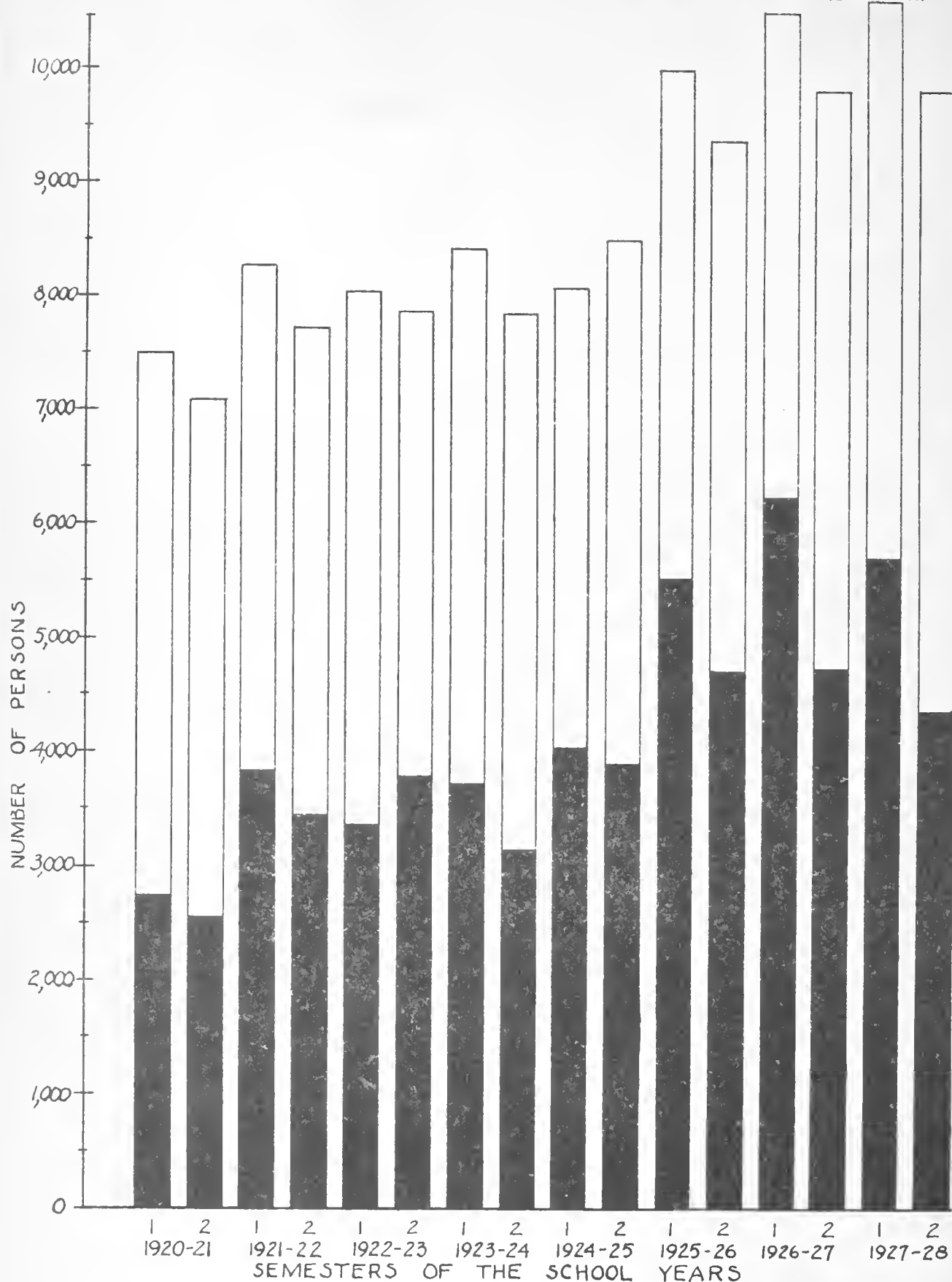
	<u>Communicable</u>		<u>Non Communicable</u>		<u>Total</u>	
	<u>Cases</u>	<u>Days</u>	<u>Cases</u>	<u>Days</u>	<u>Cases</u>	<u>Days</u>
July	—	—	—	—	—	—
Aug.	—	—	—	—	—	—
Sept.	10	35	61	145	71	180
Oct.	17	144	121	394	138	538
Nov.	19	76	119	376	138	452
Dec.	15	92	91	338	106	430
Jan.	32	145	104	420	136	565
Feb.	29	101	124	560	153	661
March	120	481	186	649	306	1130
April	44	195	99	342	143	537
May	21	119	115	342	136	461
June	—	—	17	41	17	41
Total	<u>307</u>	<u>1388</u>	<u>1037</u>	<u>3607</u>	<u>1344</u>	<u>4995</u>

Table VIII

<u>Disease</u>	<u>Cases</u>	<u>Days</u>
Chickenpox	12	10
Diphtheria	1	6
Influenza	278	1038
Malaria	2	4
Measles	1	6
Mumps	3	22
Pneumonia	1	9
Rubella	1	7
Scarlet fever	7	175
Smallpox	<u>1</u>	<u>20</u>
	307	1388



CHART SHOWING RELATION BETWEEN UNIVERSITY
ENROLLMENT AND HOSPITAL ASSOCIATION MEMBERSHIP



VENEREAL DISEASES

A total of 41 students were seen with venereal disease during the year. Of this number 37 had gonorrhea, one chancroid, and three syphilis. It should be emphasized that the venereal incidence among students is 4.1 per 1000, which is very much lower than any of the estimates usually given for the same age group in the general population.

IMMUNIZATION

The total number of smallpox vaccinations for the year were 1,065 and the typhoid inoculations were 1,505. The totals include students and employees in the food handling departments of the University and the students going to the summer training camps. A concerted effort was made to stress the value of this immunization just prior to the closing of school in the spring to protect vacationists against disease.

LABORATORY EXAMINATIONS

The following table shows the laboratory examinations during the year for students and employees.

Table IX

	<u>Positive</u>	<u>Negative</u>	<u>Doubtful</u>	<u>Total</u>
Throat Cultures				
Diphtheria		61	1	62
Vincent's angina	5	11	5	21
Sputum for tuber- culosis	2	37	1	40
Feces for typhoid fever		41	2	43

Table IX (continued)

	<u>Positive</u>	<u>Negative</u>	<u>Doubtful</u>	<u>Total</u>
Widal Blood tests for typhoid	5	119	5	129
Kahn test for syphilis	1	28		29
Urinalyses				5383

FIRST AID CABINETS

The Health Service has maintained 65 first aid cabinets in the University buildings during the year. Each of these have been visited weekly. At the request of the heads of the departments, four new cabinets were installed in locations where there was risk of injury and burns.

INSTRUCTION

There were 2,844 students registered in the courses in elementary hygiene for the first semester; 2,291 men and 553 women, the second semester 1,910 men and 333 women. The small number of women enrolled is due to only half of the class being taken each semester. The men were taught in 58 sections the first semester and in 50 sections the second semester; the women in 12 sections each semester. The advanced course given in the second semester had a registration of 52 students.

COMMENTS UPON THE MEDICAL HISTORY AND PHYSICAL
EXAMINATION OF THE CLASS OF 1931

Family History

Table X shows the per cent of certain diseases occurring in one or both parents or other relatives of the students of the Class of 1931.

Table X

<u>Disease:</u>	<u>Men</u>		<u>Women</u>		<u>Total</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Tuberculosis	223	7.62	192	14.26	415	9.71
Cancer	272	9.29	173	12.83	445	10.41
Nervous Breakdown	154	5.26	129	9.58	283	6.62
Epilepsy	17	.58	12	.89	29	.67
Insanity	33	1.12	29	2.15	62	1.45
Diabetes	124	4.32	139	10.32	263	6.15

From the above table, it will be seen that about one student in ten gave a family history of tuberculosis; one in fifteen of parental nervous breakdown, a term which to the laity means neurasthenia or insanity; one student in sixteen reported diabetes in his family; only one student in sixty-eight, insanity

INJURIES

As will be seen from Table XI, the incidence of the history of injuries of the Class of 1931 showed a slight decrease when compared with that of the Class of 1930.

Table XI

Bodily Distribution of Injuries

	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Total</u> <u>Class of 1930</u>
	<u>%</u>	<u>%</u>	<u>%</u>	<u>%</u>
Head	3.21	1.63	2.72	3.37
Chest	2.46	1.04	2.01	3.04
Abdomen	.68	—	.47	.97
Others	<u>22.86</u>	<u>13.67</u>	<u>19.94</u>	<u>19.26</u>
Total	29.21	16.34	25.14	26.64

Operations

Major and minor operations had been more frequent in students of the Class of 1931 than 1930. This fact is shown by Table XII.

Table XII

Bodily Distribution of Operations

	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Total</u> <u>Class of 1930</u>
	<u>%</u>	<u>%</u>	<u>%</u>	<u>%</u>
Head	40.40	81.50	53.30	44.85
Chest	.68	.45	.61	.37
Abdomen	6.56	8.70	7.24	7.76
Others	<u>13.47</u>	<u>1.48</u>	<u>9.70</u>	<u>10.85</u>
Total	61.11	92.13	70.85	63.84

The removal of tonsils and adenoids accounts for the large number of head operations. This surgery signifies an increasing appreciation of the relation of disease of the naso-pharynx to the general health.

Use of Tea, Coffee and Tobacco

Table XIII shows the use of tea, coffee, and tobacco by members of the Class of 1931.

Table XIII

	<u>Coffee</u>		<u>Tea</u>		<u>Tobacco</u>		<u>Do not use Tea, Coffee or Tobacco</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Men	1490	50.90	582	19.88	894	30.55	1335	45.60
Women	679	50.50	455	33.82	—	—	284	21.10
Total	2169	50.80	1037	24.30	894	20.90	1619	37.90

Sleeping Habits of the Class of 1931

Table XIV

	<u>Men</u> <u>%</u>	<u>Women</u> <u>%</u>	<u>Total</u> <u>%</u>
Under 7 hours	2.73	2.60	2.69
7 to 9 hours	92.34	90.86	91.86
over 9 hours	3.01	3.27	3.10
Not specified	1.92	3.27	2.35

Students Wearing Glasses on Entering College

Table XV

<u>Class</u>	<u>Men</u> <u>%</u>	<u>Women</u> <u>%</u>	<u>Total</u> <u>%</u>
1931	22.53	27.85	24.21
1930	24.40	30.61	26.4
1929	23.39	38.19	27.4

Occurrence of Disease

The large number of students who have had communicable diseases before entering the University (see Table XVI) means many of them have been exposed to complication and have risked the damage of the heart and kidneys which is instrumental in increasing the death rate for cardiac and renal diseases. The young man who undergoes the physical strain and intoxication incidental to having a major communicable disease, even if he recovers is fortunate, if his life expectancy has not been reduced.

The large percentage of unvaccinated students (37.5) is proof of the possibility of an epidemic of smallpox occurring in the student body. The incidence of smallpox in the medical history of so many students is a sad commentary upon public appreciation of a so well known method of prevention as vaccination. The per cent (2.79) of students having had typhoid fever justifies the regulation of the University for foodhandlers.



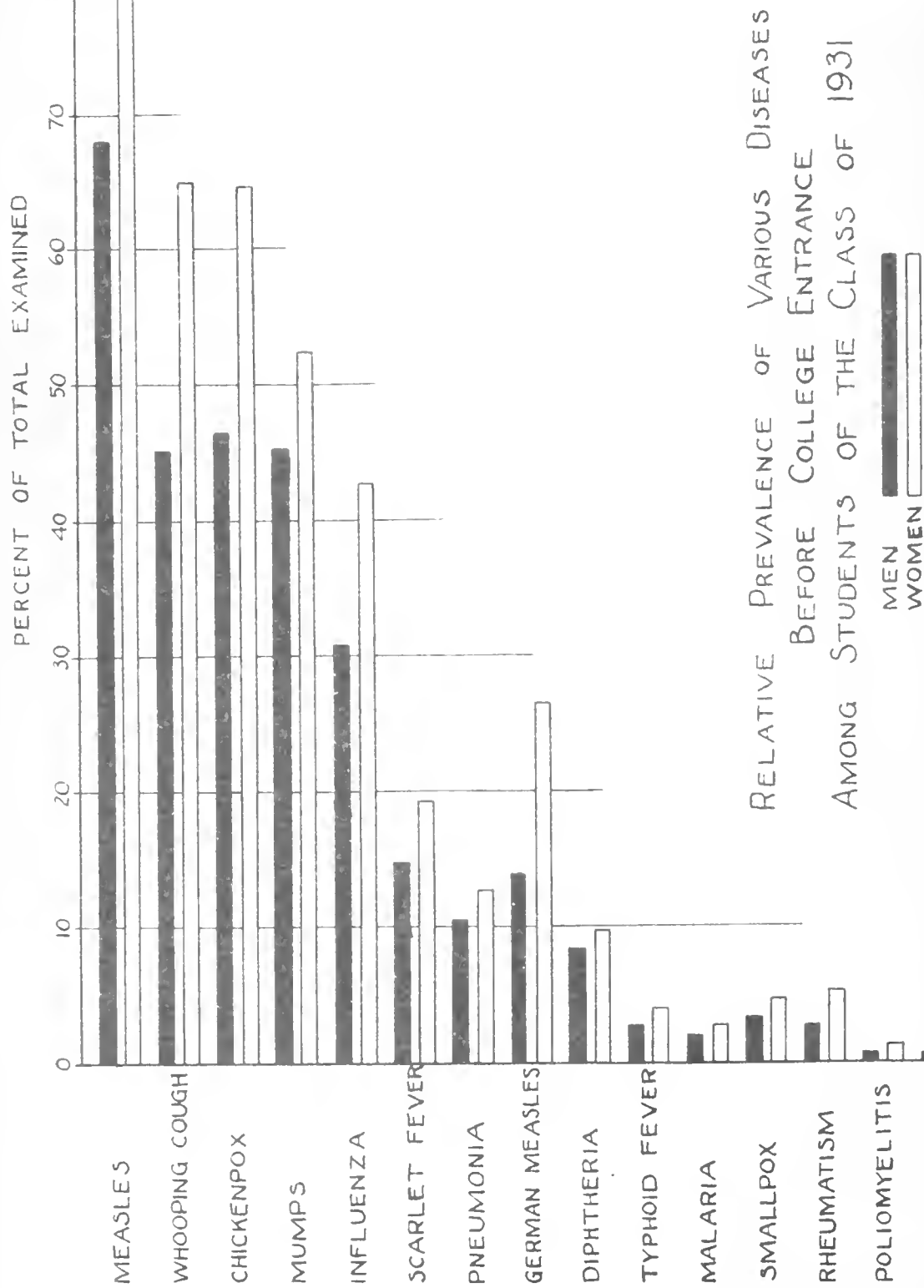


Table XVI

RELATIVE OCCURRENCE OF CERTAIN DISEASES

	<u>1931</u>			<u>1930</u>	
	<u>Men</u> %	<u>Women</u> %	<u>Total</u> %	<u>Men</u> %	<u>Women</u> %
Abscess	3.62	5.13	4.09	3.87	.46
Appendicitis	4.51	10.25	6.32	6.68	8.39
Asthma	1.30		.89	1.03	1.00
Boils	19.38	13.61	17.55	20.01	1.06
Bronchitis	4.61	9.45	6.34	5.97	.86
Chickenpox	46.50	64.20	52.10	53.22	63.22
Chorea		.22	.07	.19	.13
Constipation	1.98	9.96	4.50	2.35	5.46
Diphtheria	8.04	9.45	8.48	8.42	9.26
Discharging ear	6.15	5.95	6.08	4.65	2.00
Dysentery	.24	.22	.23	.39	.26
Erysipelas	.21	.59	.33	.26	
Glasses	22.50	27.85	24.20	24.40	30.64
Gonorrhea	.17		.12	.48	
Hemorrhoids	.27	1.04	.52	.39	.39
Hay Fever	2.94	3.72	3.18	4.65	.53
Headaches	4.79	10.91	6.72	4.91	1.33
Heat stroke	.96	.82	.91	1.16	
Infantile Paralysis	.65	.97	.75	.77	.33
Influenza	31.05	42.30	34.60	38.57	46.23
Jaundice	1.91	3.27	2.34	1.74	.46
Malaria	1.78	2.23	1.92	3.06	3.26
Measles	67.80	86.20	73.55	73.04	93.87
German Measles	13.53	26.25	17.55	19.75	10.19
Meningitis	.14	.07	.12	.22	.46
Mumps	45.15	52.50	47.40	54.90	55.62
Nervous breakdown	.55	2.82	1.26	.52	.73
Neuritis	.17	1.11	.47	.19	.06
Pleurisy	2.12	2.97	2.39	2.1	3.46
Pneumonia	10.18	12.78	11.00	10.46	12.06
Rheumatism	2.49	5.13	3.33	1.68	4.19
Scarlet Fever	14.35	18.58	15.67	16.07	16.12
Sinusitis	.86	.59	.77	.87	.13
Smallpox	3.01	4.54	3.49	3.78	2.66
Smallpox Vac.	70.70	44.90	62.50	82.18	43.37
Spinal Disease	.17	.30	.21	.26	
Syphilis				.03	
Sunstroke	.31	.15	.26	.52	.06
Tonsillitis	15.10	31.65	20.30	17.46	2.13
Tuberculosis	.41	.30	.37	.64	.20
Typhoid Fever	2.56	3.27	2.79	3.55	3.39
Typhoid Vac.	13.09	5.87	10.81	16.81	4.59
Whooping Cough	45.30	64.50	51.40	49.71	62.69

RESULTS OF PHYSICAL EXAMINATIONS OF
THE CLASS OF 1931

Table XVII

	<u>Men</u> <u>%</u>	<u>Women</u> <u>%</u>	<u>Total</u> <u>%</u>
General Development			
Excellent	2.73	31.35	11.73
Good	67.29	34.18	56.86
Fair	23.35	22.95	23.23
Poor	1.06	2.45	1.50
No record	5.57	9.07	6.68
Nutrition			
Thin	17.95	16.42	17.45
Average	78.36	73.40	76.82
Obese	1.50	8.92	3.84
No record	2.19	1.26	1.89
Build			
Stocky	15.03	15.15	15.06
Medium	59.14	57.21	58.54
Slender	25.25	25.78	25.42
No record	.58	1.86	.98

The general nutrition of the class is mainly average.

This is found in the case of the men more often than in the case of the women. Obesity is six times more common among women than among men. Women tend more to extremes, the men more to average.

Table XVIII

COLOR OF EYES AND HAIR

Eyes

	<u>Men</u> <u>%</u>	<u>Women</u> <u>%</u>	<u>Total</u> <u>%</u>
Blue	35.12	37.36	35.83
Gray	7.73	12.25	9.16
Greenish	7.25	6.32	6.95
Hazel	9.57	10.03	9.72
Brown	35.42	30.03	33.70
Dark	1.32	1.41	1.36
Not specified	3.59	2.60	3.28

Table XVIII (continued)

	<u>Hair</u>		
	<u>Men</u> %	<u>Women</u> %	<u>Total</u> %
Flaxen	6.26	7.81	6.74
Reddish	2.73	3.42	2.95
Light Brown	19.24	14.13	17.63
Brown	24.67	33.72	27.56
Dark Brown	25.65	11.87	21.29
Black	14.23	4.83	11.25
Not specified	7.22	24.22	12.58

Teeth

The following table shows the condition of the teeth of students on matriculation. There is a certain overlapping in the data presented. For example, the same student may have a carious tooth, a tooth absent and teeth need cleaning.

Table XIX

	<u>Men</u> %	<u>Women</u> %	<u>Total</u> %
Cavity	18.50	6.41	14.68
Absent	22.63	12.93	19.60
Need Cleaning	28.02	15.84	24.21
Diseased Gums	4.44	4.91	4.59
In normal condition	40.90	60.00	47.00

Comparison of Abnormalities of Heart
Table XX

	<u>Men</u>		<u>Women</u>		<u>Total</u>	
	No.	%	No.	%	No.	%
Enlarged	1	.03	5	.37	6	.14
Aortic lesion	2	.07	2	.15	4	.09
Mitral lesion	9	.31	—	—	9	.21
Systolic	50	1.71	68	5.06	118	2.76
All other	20	.68	65	4.83	85	1.99
Total	82	2.80	140	10.41	222	5.19

The above table shows that 222 students of the Class of 1931 had definite heart abnormalities. This is a decrease of 15 per cent over last year and represents a total of 38 cases. Heart lesions are usually the result of tonsillitis, chorea, rheumatic fever, scarlet fever, etc., and are largely preventable. Occasionally they follow too vigorous exercise in pre-adolescence and physical activities without previous training.

Thyroid

Table XXI

	<u>Men</u>		<u>Women</u>		<u>Total</u>	
	No.	%	No.	%	No.	%
Slight	151	5.16	480	35.67	631	14.75
Moderate	26	.89	76	4.90	102	2.39
Marked	2	.07	2	.15	4	.09

Conditions of Chest and Lungs

Table XXII

	<u>Men</u>		<u>Women</u>		<u>Total</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Chest						
Flat	199	6.80	56	4.16	255	5.99
Funnel	10	.34	20	1.49	30	.70
Pigeon	28	.96	10	.74	38	.89
Lungs abnormal	38	1.30	22	1.64	60	1.41
Total examined	2925		1346		4271	

Incidence of Enlarged Lymph Glands in Members
of the Class of 1931

Table XXIII

	<u>Men</u>		<u>Women</u>		<u>Total</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Epitrochlear	171	5.85	7	.52	178	4.17
Axillary	431	14.70	8	.59	439	10.28
Cervical	459	15.68	431	32.02	890	20.81
Inguinal	649	22.18	128	9.52	777	18.18
Total examined	2925		1346		4271	

Table XXIV shows the condition of the abdominal walls of the students of the Class of 1931.

Table XXIV

	<u>Men</u>		<u>Women</u>		<u>Total</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Abdomen						
Rigid	22	.75	49	3.64	71	1.66
Relaxed	3	.10	51	3.79	54	1.26
Normal	2900	99.15	1246	92.57	4146	97.08
Hernia	37	1.26			37	.87
Palpable Organs						
Liver	11	.38	4	.30	15	.35
Kidneys	9	.31	4	.30	13	.30
Spleen	9	.31	3	.22	12	.28

GENITO - URINARY ORGANS

Table XXV
Classification of Abnormalities

	<u>No.</u>	<u>%</u>
Testes		
Atrophied	5	.17
Enlarged	5	.17
Undescended	11	.38
Hydrocele	7	.24
Varicocele	437	14.93
Circumcision	831	28.35

The following table is a summary of the urinalyses made at the time of examinations.

Urinalysis
Table XXVI

<u>Reaction</u>	<u>Men</u>		<u>Women</u>		<u>Total</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Acid	2209	75.60	1045	77.70	3254	76.25
Alkaline	356	12.17	93	6.91	449	10.51
Neutral	243	8.32	153	11.37	396	9.27
Not specified	117	3.91	55	4.02	172	3.97
Sugar	17	.58	25	1.86	42	.98
Albumin	167	5.71	37	2.75	204	4.78
Total examined	2925		1346		4271	

Feet

In the following table it is seen that about a third of the men and three-fourths of the women have first, second or third degree flat feet.

Foot Abnormalities

Table XXVII

	<u>Men</u>		<u>Women</u>		<u>Total</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Long arches						
1st degree	463	15.82	401	29.78	864	20.20
2nd degree	321	11.35	447	33.22	768	17.97
3rd degree	96	3.28	148	11.00	244	5.72
Total abnormal	880	30.45	996	74.00	1876	43.89
Anterior arches	593	20.25	312	23.18	905	21.17

Table XXIX

Spine Abnormalities

	<u>Men</u>		<u>Women</u>		<u>Total</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Kyphosis	49	1.67	35	2.60	84	1.97
Lordosis	144	4.92	46	3.42	190	4.45
Scoliosis	161	5.51	69	5.13	230	5.38

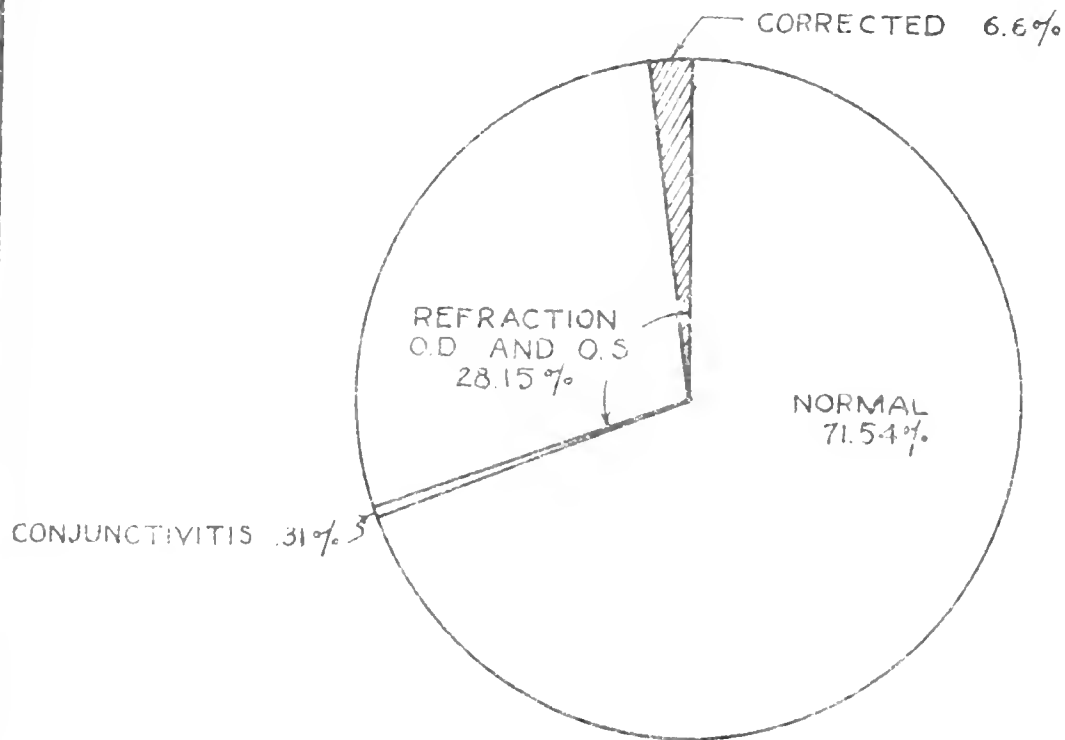
Nose and Throat Abnormalities

Table XXIX

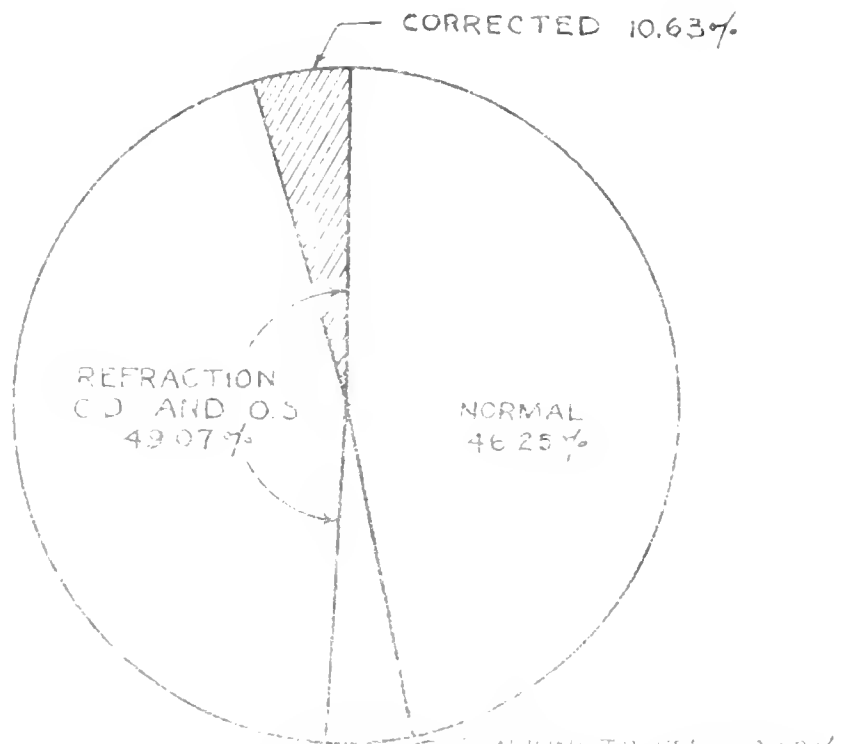
	<u>Men</u>		<u>Women</u>		<u>Total</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Nose						
Spur	106	3.62	139	10.32	245	5.74
Deviated septum	485	16.57	252	18.73	737	17.23
Atrophied	3	.10	7	.52	10	.23
Hypertrophy	131	4.48	172	12.78	303	7.10
Other	4	.14	100	7.43	104	2.43
Tonsils						
Absent	1046	35.77	572	42.42	1618	37.90
Pathological	335	11.45	237	17.61	572	13.38
Tags	185	6.33	165	12.27	350	8.19
All other	—	.	75	5.57	75	1.98
Total abnormal	1566	53.55	1049	77.87	2615	61.45
Larynx abnormal	2	.07	11	.81	13	.30

OF THE
UNIVERSITY OF ILLINOIS

CONDITION OF EYES CLASS OF 1931



MEN



WOMEN

Deviated septum is the most common abnormality of the nose. In the Class of 1931 it was found in every sixth student. Only 11 men and four women had adenoids.

Table XXX
Ears

	<u>Men</u>		<u>Women</u>		<u>Total</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Cerumen	288	9.85	182	13.52	470	11.00
Drum retracted	26	.89	80	5.94	106	2.48
Perforated	6	.20	8	.59	14	.33
Some abnormality in both ears	83	2.84	145	10.78	223	5.22
Hearing abnormal			10	.74	10	.23

Table XXXI

Eyes

	<u>Men</u>		<u>Women</u>		<u>Total</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Lids abnormal	6	.20	28	2.08	34	.69
Muscles	2	.07	32	2.38	34	.69
Refraction						
O. D.	494	16.90	879	65.38	1373	32.18
O. S.	503	17.17	893	66.40	1396	32.65
Both O. D. & O. S.	824	28.15	660	49.07	1484	34.75
Corrected	193	6.60	143	10.63	336	7.87
Conjunctivitis	9	.31	63	4.68	72	1.68
Glass eye	—	—	—	—	—	—
Wear glasses	659	22.52	375	27.87	1034	24.22
Pupils	—	—	26	1.93	26	.61

ANNUAL REPORT OF THE HEALTH SERVICE

1927-1928

APPENDIX

TWELFTH ANNUAL REPORT OF HEALTH SERVICE
APPENDIX

Table I

SUMMARY OF MEDICAL HISTORIES

	<u>Men</u>	<u>Women</u>	<u>Class of '31</u> <u>Total</u>	<u>Class of '30</u> <u>Total</u>
Total number examined	2925	1346	4271	4599
Total number re-examined	736	354	1090	2223
Tuberculosis (family history)	255	192	447	393
Cancer (family history)	306	173	479	357
Nervous breakdown (family history)	164	129	293	216
Diabetes (family history)	132	129	261	143
Epilepsy (family history)	20	12	32	19
Insanity (family history)	37	29	66	39
Injuries:				
Head	94	22	116	155
Chest	72	14	86	140
Abdomen	20		20	45
Other	669	184	853	836
Operations:				
Head	1181	1097	2278	2063
Chest	20	6	26	17
Abdomen	192	117	309	357
Other	394	20	414	499
Sleep:				
Under 7 hours	80	35	115	84
7 - 9 hours	2695	1223	3918	4300
Over 9 hours	88	44	132	165
Stimulants:				
Tea	582	455	1037	1190
Coffee	1490	679	2169	2492
Tobacco	894		894	1030
Diseases:				
Abscess	106	69	175	137
Appendicitis	132	133	270	333
Asthma	38		38	47
Boils	567	183	750	636
Bronchitis	144	127	271	198
Chickenpox	1360	864	2224	2598
Chorea		3	3	8
Constipation	58	134	192	155
Diphtheria	235	127	362	400
Discharging ear	180	80	260	174
Dysentery	7	3	10	16
Erysipelas	6	8	14	8

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Table I - Cont'd

	<u>Men</u>	<u>Women</u>	<u>Class of '31</u> <u>Total</u>	<u>Class of '30</u> <u>Total</u>
Diseases:				
Glasses	659	375	1034	1216
Gonorrhea	5		5	15
Hemorrhoids	10	14	24	18
Hay fever	86	50	136	152
Headache	140	147	387	172
Heat stroke	28	11	39	36
Infantile paralysis	19	13	32	29
Influenza	909	569	1478	1889
Jaundice	56	44	100	61
Malaria	52	30	82	144
Measles	1982	1159	3141	3672
German measles	396	353	749	765
Meningitis	4	1	5	14
Mumps	1320	707	2027	2536
Nervous breakdown	16	38	54	27
Neuritis	5	15	20	7
Pleurisy	62	40	102	117
Pneumonia	298	172	470	505
Rheumatism	73	69	142	115
Scarlet fever	420	250	670	740
Sinusitis	25	8	33	29
Smallpox	83	61	149	157
Smallpox vac.	2068	604	2672	3197
Spinal diseases	5	4	9	8
Syphilis				1
Sunstroke	9	2	11	17
Tonsillitis	442	426	868	663
Tuberculosis	12	4	16	23
Typhoid fever	75	44	119	161
Typhoid vac.	333	79	462	590
Whooping cough	1327	868	2195	2481

Table II - Appendix

SUMMARY OF PHYSICAL EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Class of '31</u> <u>Total</u>	<u>Class of '30</u> <u>Total</u>
General Development:				
Excellent	80	422	502	349
Good	1967	460	2427	2886
Fair	684	309	993	1169
Poor	31	33	64	74
Nutrition:				
Thin	525	221	746	496
Average	2292	988	3280	3820
Obese	44	120	164	145
Build:				
Stocky	440	204	644	620
Medium	1729	770	2499	2852
Slender	739	347	1086	1169

Table II - Continued

	<u>Men</u>	<u>Women</u>	<u>Class of '31</u> <u>Total</u>	<u>Class of '30</u> <u>Total</u>
Eyes:				
Blue	1028	503	1531	1921
Gray	226	165	391	342
Greenish	212	85	297	394
Hazel	280	135	415	452
Brown	1035	404	1439	940
Dark	39	19	58	407
Hair:				
Fair	183	105	288	389
Reddish	80	46	126	173
Light brown	563	190	753	1182
Brown	722	454	1176	1358
Dark brown	750	346	1096	1040
Black	416	65	481	370
Skin:				
Moist	2396	1167	3563	3703
Dry	229	115	344	761
Acne	1179	334	1513	1678
Vaccination scar:				
Pitted	1236	592	1828	1733
Keloidal	101	130	231	184
Smooth	952	349	1301	1292
Under 15 mm.	673	543	1216	601
Over 15 mm.	1477	415	1892	3193
None	525	139	664	613
Teeth:				
Cavities	541	86	627	569
Absent	663	174	837	694
Need cleaning	821	213	1034	908
All three of above	156	5	161	104
Three abnormalities	440	16	456	377
Diseased gums	130	66	196	104
No abnormality	1193	37	1235	1534
Thyroid enlarged	59	868	927	804
Evidence of toxicity	2	34	36	15
Lymph:				
Cervical	459	431	890	275
Axillary	431	8	439	65
Inguinal	649	128	777	462
Epitrochlear	171	7	178	90
Chest abnormal	237	86	323	236
Lungs abnormal	38	22	60	33
Heart				
Enlarged	1	5	6	3
Irregular	13	27	40	41
Murmur, unc.	7	38	45	32
Aortic	2	2	4	12
Mitral	9		9	18
Systolic	50	68	118	154

Table II - Continued

	<u>Men</u>	<u>Women</u>	<u>Class of '31</u> <u>Total</u>	<u>Class of '30</u> <u>Total</u>
Abdomen:				
Rigid	22	39	61	86
Relaxed	3	52	55	68
Hernia (present)	37		37	43
Palpable:				
Liver	11	4	15	219
Spleen	9	3	12	3
Kidney	9	4	13	4
Penis: (circum)	831		831	754
Testes:				
Enlarged	5		5	1
Atrophy	5		5	26
Hydrocele	7		7	11
Varicocele	437		437	600
Undescended	11		11	22
Menses:				
Regular		1137	1137	1165
Irregular		200	200	277
Pain, severe		249	249	274
slight		340	340	589
Urine:				
Acid	1709	1045	2754	3570
Alkaline	356	93	449	501
Albumen	167	37	204	293
Sugar	17	25	42	15
Vertebral column:				
Kyphosis (stooped)	45	35	80	195
Lordosis (swayback)	133	46	184	324
Scoliosis (curvature)	161	69	230	349
Flat feet:				
Long arches				
1st degree	392	793	1685	2031
2nd degree	643	885	1529	1326
3rd degree	183	287	475	454
Anterior arches	1138	620	1803	2396
Noses:				
Spur	106	159	265	542
Deviated septum	485	252	737	932
Atrophy	3	7	10	19
Hypertrophy	131	172	303	252
Other abnormalities	4	100	104	422
Adenoids	11	4	15	12
Chr. Pharyngitis				4
Tonsils:				
Absent	1046	572	1618	1528
Path.	335	237	572	659
Other		75	75	339
Tags	185	165	350	177

Table II - Continued

	<u>Men</u>	<u>Women</u>	<u>Class of '31</u> <u>Total</u>	<u>Class of '30</u> <u>Total</u>
Ears:				
Cerumen (wax)	403	342	745	869
Chr. suppuration				2
Speech				68
Drum retracted	43	155	193	218
Perforated	4	12	16	52
Some abnormality both ears				217
Eyes:				
Lids	8	55	63	41
Refraction				
O. D. only	494	879	1373	325
O. S. only	501	893	1394	370
Both O. D. and O. S.	824	660	1484	1584
Corrected	193	143	336	214
Conjunctivitis	14	127	141	26
Muscles	3	61	64	13
Pupils		52	52	4
Hemorrhoids	10	14	24	64

Table III - AppendixCLASSIFIED SUMMARY OF PHYSICAL EXAMINATION RESULTS

	<u>MEN</u>			<u>WOMEN</u>		
	<u>Urban</u>	<u>Rural</u>	<u>Out-St.</u>	<u>Urban</u>	<u>Rural</u>	<u>Out-St.</u>
Total no. examined	1859	535	531	765	353	227
Re-examined	447	178	111	210	90	54
Inherited Diseases						
Tuberculosis (family history)	119	80	56	85	50	57
Cancer (family history)	172	88	46	82	54	37
Diabetes (family history)	72	29	31	74	38	17
Neurasthenia (family history)	94	32	38	72	31	26

Table III - Continued

	<u>MEN</u>			<u>WOMEN</u>		
	<u>Urban</u>	<u>Rural</u>	<u>Out-St.</u>	<u>Urban</u>	<u>Rural</u>	<u>Out-St.</u>
Insanity (family history)	21	11	5	12	12	5
Epilepsy (family history)	7	13		8	4	
No history of above	1093	180	380	3	4	1
Injuries, head	55	21	18	15	3	4
chest	45	15	12	7	5	2
abdominal	12	2	6			
other	427	121	121	109	54	21
Operations, head	770	191	220	352	651	94
chest	12	4	4	5	1	
abdominal	138	30	24	60	32	25
other	287	39	68	12	4	4
Sleep						
Under 7 hours	54	8	18	14	9	12
7 - 9 hours	1656	520	519	727	294	202
Over 9 hours	63	15	10	25	12	8
Stimulants						
Tea	363	90	129	276	94	85
Coffee	959	263	268	376	170	133
Tobacco	562	129	203			
Diseases:						
Abscess	72	18	16	51	11	7
Appendicitis	87	23	22	66	38	34
Asthma	16	10	12			
Boils	374	85	108	102	60	21

1960-1961

1962-1963

1964-1965

1966-1967

1968-1969

1970-1971

1972-1973

1974-1975

1976-1977

1978-1979

1980-1981

1982-1983

1984-1985

1986-1987

1988-1989

1990-1991

1992-1993

1994-1995

Table III - Continued

Diseases:	<u>MEN</u>			<u>WOMEN</u>		
	<u>Urban</u>	<u>Rural</u>	<u>Out-St.</u>	<u>Urban</u>	<u>Rural</u>	<u>Out-St.</u>
Bronchitis	102	22	20	77	26	24
Chickenpox	822	311	227	492	232	140
Chorea				2	1	
Constipation	36	6	16	59	37	38
Diphtheria	169	22	44	76	22	29
Discharging ear	149	19	12	40	22	18
Dysentery		1	6		3	
Erysipelas	2	2	2	5	2	1
Glasses	372	156	131	151	129	95
Gonorrhea	5					
Hemorrhoids	5	3	2	10	3	1
Hay fever	53	15	18	35	8	7
Headaches (repeated)	85	34	21	82	43	22
Heat stroke	7	18	3	5	6	
Infantile paralysis	13	5	1	6	3	4
Influenza	489	258	162	330	137	102
Jaundice	13	25	18	24	10	10
Malaria	23	16	13	15	8	7
Measles	1208	414	360	667	296	196
German measles	236	119	41	167	124	62
Meningitis	3	1		1		
Mumps	762	292	266	410	183	114
Nervous breakdown	7	2	7	23	9	6
Neuritis	4	1		8	4	3

Table III - Continued

Diseases:	<u>MEN</u>			<u>WOMEN</u>		
	<u>Urban</u>	<u>Rural</u>	<u>Out-St.</u>	<u>Urban</u>	<u>Rural</u>	<u>Out-St.</u>
Pleurisy	38	11	13	22	8	10
Pneumonia	169	74	55	91	53	28
Rheumatism	46	12	15	42	16	11
Scarlet fever	281	69	70	150	65	35
Sinusitis	18	2	6	5	1	2
Smallpox	35	29	24	23	22	16
Smallpox vac.	1349	347	372	327	164	113
Spinal disease	4		1	2	1	1
Syphilis						
Sunstroke	5	2	2	1		1
Tonsillitis	282	93	67	241	107	78
Tuberculosis	7	3	2	1	2	1
Typhoid fever	44	12	19	24	7	13
Typhoid vac.	226	65	92	38	25	16
Whooping cough	717	404	206	488	239	141
General Development:						
Excellent	54	13	13	202	133	87
Good	1294	386	287	255	135	70
Fair	436	120	128	178	76	55
Poor	19	8	4	17	2	2
Nutrition, thin	322	104	99	121	50	50
average	1425	428	439	545	273	170
obese	32	6	6	67	27	26
Build, stocky	278	88	74	117	52	35
medium	1089	323	317	434	214	122
slender	459	139	141	199	84	64

Table III - Continued

	<u>MEN</u>			<u>WOMEN</u>		
	<u>Urban</u>	<u>Rural</u>	<u>Out-St.</u>	<u>Urban</u>	<u>Rural</u>	<u>Out-St.</u>
Eyes, blue	638	213	172	284	147	72
gray	139	37	50	94	48	23
greenish	128	48	36	36	26	23
hazel	169	58	53	77	32	26
brown	670	166	199	235	91	78
dark	22	7	10	11	3	5
Hair, fair	121	28	34	62	31	12
reddish	46	18	16	24	14	8
light brown	326	133	104	75	78	37
brown	427	158	137	261	131	62
dark brown	473	138	139	136	85	75
black	372	50	94	32	12	21
Skin, acne	734	246	199	178	101	55
moist	1506	496	394	650	317	200
dry	152	38	39	61	36	18
Vaccination, type scar						
Pitted	820	182	234	358	140	94
Keloidal	78	10	13	71	39	20
Smooth	605	157	190	202	85	62
Under 15 mm.	425	113	135	312	140	91
Over 15 mm.	1110	160	207	306	123	36
None	252	137	86	82	34	23
Teeth, cavities	357	90	94	64	11	11
absent	394	109	160	94	42	33
need cleaning	492	169	160	111	70	32
all three of above	130	15	11	3	2	

Table III - continued

	<u>MEN</u>			<u>WOMEN</u>		
	<u>Urban</u>	<u>Rural</u>	<u>Out-St.</u>	<u>Urban.</u>	<u>Rural</u>	<u>Out-St.</u>
Teeth,						
no abnormality	760	261	177	22	10	5
three abnormalities	273	73	94	11	3	2
diseased gums	87	32	11	44	12	10
Thyroid enlarged		27	32	310	148	100
Evidence of toxicity	1	1		17	12	5
Lymph, cervical	277	96	86	248	100	83
axillary	259	86	86	5	3	
inguinal	387	124	138	77	30	21
epitrochlear	114	34	23	5	2	
Chest, abnormal	141	44	52	46	21	19
Lungs, abnormal	21	10	7	15	6	1
Heart, enlarged		1		5		
irregular	12	1		11	12	4
murmur, aortic	1	1			1	1
mitral	4	3	2			
systolic	29	11	10	38	17	13
unclass.	3	3	1	38		
Abdomen, rigid	13	2	7	23	12	4
relaxed	2		1	36	9	6
Hernia, present	23	9	5			
Palpable, liver	8	1	2	2	2	
spleen	7		2	2	1	
kidneys	7		2	3	1	

Table III - Continued

	<u>MEN</u>			<u>WOMEN</u>			
	<u>Urban</u>	<u>Rural</u>	<u>Out-St.</u>	<u>Urban</u>	<u>Rural</u>	<u>Out-St.</u>	
Testes, atrophied	3	2		Menses	649	292	196
enlarged	2	3		regular			
undescended	6	5		irreg.	115	57	28
hydrocele	3	3	1	Pain,	275	193	94
varicocele	286	80	71	none			
				sev-	152	60	37
				ere			
Penis, circumcision	587	96	148				
Urine, acid	1532	321	356		607	279	159
alkaline	215	67	74		42	29	22
albumin	100	25	42		24	9	4
sugar	3	3	11		13	7	5
Vertebral column							
Kyphosis	28	8	13		21	8	6
Lordosis	94	29	22		26	11	9
Scoliosis	102	32	27		40	17	12
Flat feet							
Long arches,							
1st degree	599	157	136		441	211	141
2nd degree	430	100	113		524	217	145
3rd degree	121	23	44		165	77	45
Anterior arches	779	197	212		344	156	120
Nose, sour	64	18	24		73	40	26
dev. septum	293	98	94		146	67	39
hypertrophied	86	20	25		107	36	29
atrophied	1	1	1		3	3	1
other abnormalities	2	2			63	24	13

Table III - Continued

	MEN			WOMEN		
	<u>Urban</u>	<u>Rural</u>	<u>Out-St.</u>	<u>Urban</u>	<u>Rural</u>	<u>Out-St.</u>
Adenoids, present	5	3	3	2	1	1
Tonsils, absent	706	170	170	339	148	85
pathological	195	82	58	128	68	41
tags	133	30	22	96	39	30
other				41	19	15
Ears, cerumen	356	91	136	202	84	56
drum retracted	30	19	4	84	42	29
chr. suppuration						
perforated	7		1	7	1	4
speech						
Eyes, lids	4	2	2	54	1	
O.D. (right) abnormal	375	35	86	500	217	162
O.S. (left)	385	48	70	494	223	176
Both O.D. & O.S. abnormal	554	115	155	350	165	145
Corrected	125	16	52	54	44	45
Conjunctivitis	6	3	5	106	16	5
Muscles, abnormal	2	1		57		4
Pupils				52		

CASES SEEN DURING THE YEAR

Table IV - Appendix

CASES ENCOUNTERED DURING THE YEAR

Abscess, alveolar	64	
about rectum	6	
axilla	2	
periosteal	1	
tonsillar	6	
unclassified	<u>19</u>	98
Acidosis		1
Acne		137
Adenoids		3
Adenitis, cervical	11	
inguinal	7	
unclassified	<u>47</u>	65
Adenopathy		2
Adhesions		17
Albuminuria		12
Alopecia, areata	3	
unclassified	<u>1</u>	4
Amenorrhea		44
Amygdalitis, acute	520	
chronic	<u>18</u>	538
Anaphylaxis		1
Anemia		6
Angioneurotic edema		2
Anorexia		2
Anuria		2
Arrhythmia		1
Aphonia		1
Appendicitis, acute	30	
chronic	15	
unclassified	<u>111</u>	156

Arthritis, acute	2	
chronic	3	
unclassified	<u>91</u>	96
Asthma		29
Astigmatism		43
Auto-intoxication		312
Ankylosis		1
Backache		37
Balanitis		3
Biliousness		3
Blepharitis		25
Bromidrosis		15
Bronchitis, chronic	6	
unclassified	<u>826</u>	832
Bursitis, acute	1	
chronic	1	
elbow	1	
hand	1	
heel	9	
knee	4	
shoulder	1	
unclassified	<u>37</u>	55
Callositas		92
Canker Sore		103
Carbuncle		1
Caries of tooth		17
Cataract		1
Catarrh		4
Catharsis		33
Cellulitis, foot	2	
unclassified	<u>22</u>	24
Ceruminosis		184
Chalazion, neck	1	
unclassified	<u>6</u>	7

Chancroid, unclassified		1
Chickenpox (Varicella)		10
Chilblain		9
Cholecystitis		11
Clavus		51
Colitis		134
Comedo		1
Conjunctivitis, acute	51	
chronic	7	
unclassified	<u>186</u>	244
Constipation		135
Convulsions		2
Coryza		3404
Cough, unclassified		103
Cramp, muscle, leg	1	
unclassified	<u>14</u>	15
Cyanosis		1
Cyst, ranula - Ret'n	1	
sebaceous	19	
unclassified	<u>55</u>	75
Cystitis		14
Dacryocystitis		3
Dermatitis, exfoliativa	1	
herpetiformis	2	
medicamentosa	12	
mycelial	209	
traumatica	3	
venenata	11	
unclassified,		
occupational	6	
unclassified	<u>83</u>	327
Dementia praecox		1

Deviation, nasal septum		3
Diabetes mellitus		2
Diabetes insipidus		1
Diarrhea		85
Dysmenorrhea		1574
Dyspepsia		4
Ecchymosis		1
Eczema		57
Edema - glottidis	1	
unclassified	<u>4</u>	5
Endocarditis		2
Enteritis, acute	20	
unclassified	<u>121</u>	141
Enteroptosis		1
Epididymitis		3
Epilepsy, unclassified		3
Epistaxis		93
Erythema, multiforme	3	
nodosum	4	
unclassified	<u>8</u>	15
Eustachitis		9
Exhaustion		7
Exostosis		3
Fainting (Syncope)		27
Fatigue		131
Fissure, anus	1	
skin	<u>5</u>	6
Fleas		1
Folliculitis		6
Food poisoning		67
Furunculosis		755

Ganglion, unclassified		4
Gastralgia		1
Gastritis, acute, catarrhal	1	
chronic, catarrhal	1	
unclassified	<u>866</u>	868
Gastro-enteritis		187
Gingivitis		28
Glossitis		2
Goitre		31
Gonococcus, Neisser	24	
unclassified	<u>4</u>	28
Halitosis		2
Hallux valgus		12
Hay fever		15
Headache		732
Hematoma, external	1	
unclassified	<u>5</u>	6
Hematuria		2
Hemorrhage, unclassified		18
Hemorrhoids, external	4	
internal	1	
unclassified	<u>57</u>	62
Hernia, inguinal	6	
unclassified	<u>20</u>	26
Herpes, facialis	1	
labialis	37	
simplex	20	
zoster	26	
unclassified	<u>10</u>	94
Hiccough		2
Hives (see urticaria)		
Hordeolum		140
Hydrocele, unclassified		2
Hyperidrosis		21
Hypertension		4

1911-12

1912-13

1913-14

1914-15

1915-16

1916-17

1917-18

1918-19

1919-20

1920-21

1921-22

1922-23

1923-24

1924-25

1925-26

1926-27

1927-28

1928-29

1929-30

1930-31

1931-32

1932-33

1933-34

1934-35

1935-36

1936-37

1937-38

1938-39

1939-40

1940-41

Hypertrophy of heart, unclassified		1
Hypesthesia		1
Hysteria		7
Impetigo, contagiosa	34	
unclassified	<u>18</u>	52
Infection, local		780
Influenza		578
Ingrowing toe-nail		45
Insomnia		39
Iritis		7
Intertrigo		3
Jaundice, acute		1
Keratitis		3
Kidney stone		2
Laryngitis, acute		210
Lesion, skin		1
Lumbago		18
Lymphadenitis, cervical	1	
unclassified	<u>6</u>	7
Malaria, unclassified		2
Mastitis		6
Mastoiditis		6
Measles		3
Menorrhagia		52
Metrorrhagia		37
Migraine		54
Miliaria		3
Milium		1

Misc's ailments, abdominal pain	33	
chapped lips	2	
hands	1	
chest trouble	1	
colic	1	
ear trouble	62	
eye trouble	32	
foot trouble	162	
frozen	1	
heart lesion		
regurgitation	19	
trouble	16	
lung trouble	1	
malaise	4	
moles	1	
nose trouble	13	
stomach trouble	5	
tooth trouble	217	
inflammation, misc.	<u>9</u>	580
Mumps (parotitis)		14
Muscle pain		13
Mycosis, ear		2
Mydriasis		25
Myocarditis		2
Myopia		30
Myositis, acute	27	
unclassified	<u>189</u>	216
Myringitis, acute		1
Myalgia		65
Nausea		7
Nephritis, chronic intestinal	1	
unclassified	<u>2</u>	3
Nephrolithiasis		2
Nervousness		31
Neuralgia, face	3	
intercostal	14	
unclassified	<u>40</u>	57
Neurasthenia		53



Neuritis		66
Neurosis, unclassified		8
Nystagmus		1
Obesity		4
Oophoritis		1
Orchitis, unclassified		3
Osteomyelitis		2
Otitis media, acute	4	
chronic	6	
unclassified	<u>94</u>	104
Ovaritis		1
Oxyuris, vermicularis		2
Pityriasis, facial		2
Palpitation, cardiac		1
Palsy		1
Paralysis, unclassified	4	
muscle, ischemic	<u>1</u>	5
Paronychia		26
Pediculosis, pubis	18	
unclassified	<u>8</u>	26
Perforated ear-drum		1
Periostitis		23
Peritonitis		1
Pes planus		69
Petit mal		1
Pharyngitis, acute	14	
chronic	1	
unclassified	<u>1253</u>	1268
Phimosiis		4
Phlebitis		2

1871

1872

1873

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1897

Pityriasis, rosea		21
Pleurisy, acute fibr's	1	
sicca	1	
suppurative	1	
unclassified	<u>50</u>	53
Pleurodynia		1
Pneumonia, unclassified		1
Polypus, nasal		6
Pompholyx		1
Prostate gland - hypertrophied		1
Pruritus		12
Psoriasis		13
Pustule		5
Pyelitis		2
Pyorrhea, unclassified		3
Pyrosis		1
Psychasthenia		1
Quinsy		3
Rachialgia		1
Retroversion, uterus		1
Rheumatism, unclassified		23
Rhinitis, acute	1705	
chronic	<u>20</u>	1725
Ringworm		110
Scabies, unclassified		101
Scarlet fever		3
Sciatica		7
Seborrhea		4
Sinusitis, frontal	8	
maxillary	7	
unclassified	<u>344</u>	359

Spur		2
Stasis, intestinal		40
Stiff neck		5
Stomatitis, aphthous	1	
unclassified	<u>17</u>	18
Stricture		1
Synovitis, unclassified		1
Syphilis, unclassified		3
Tachycardia		9
Tenosynovitis		46
Thyroiditis, unclassified		4
Tinnitus		1
Torticollis		32
Tracheitis		127
Trichophytosis or Tinea		
circinatus	7	
corporis	2	
cruris (epidermo- phytosis)	139	
tonsurans	1	
sycosis	1	
versicolor	4	
unclassified	<u>27</u>	181
Tuberculosis, pulmonary, chronic	1	
unclassified	<u>4</u>	5
Tumors, cauliflower ear	28	
unclassified	<u>4</u>	32
Turbinates, hypertrophied		2
Ulcer, gastric	10	
eye	3	
duodenum	3	
mouth	5	
nasal passage	8	
skin, leg	3	
unclassified	12	
foot	<u>8</u>	52

24th

25th

26th

27th

28th

29th

30th

31st

1st

2nd

3rd

4th

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6th

7th

8th

9th

10th

11th

12th

13th

14th

15th

16th

17th

18th

Underweight		10
Urethritis, acute	1	
specific	4	
unclassified	<u>5</u>	10
Urinations, frequent		3
Urticaria (hives)		55
Varicose veins		6
Venereal wart		3
Vertigo (dizziness)		25
Vincent's angina		44
Vomiting		2
Wart (verruca)		301
Whitlow		1

POISONING AND BITES

Bites		12
Chlorine poisoning		4
Insect sting		16
Ivy poisoning		3
Mercury poisoning		1
Poisoning, unclassified		2
Skin irritation		10
Ptomaine poisoning		3

INJURIES, WOUNDS, ETC.

Abrasion, arm	22	
back	7	
buttocks	6	
elbow	19	
face	5	
finger	18	
foot	44	
gun	2	
hand	23	
head	3	
heel	11	
knee	78	
leg	36	
nose	1	
palate	2	
shoulder	4	
skin	12	
thigh	3	
toe	23	
unclassified	<u>56</u>	375
Blister		414
Burn, arm	11	
chemical	39	
eye, acid	2	
alkali	2	
unclassified	3	
face	3	
finger	29	
foot	4	
gunpowder	1	
hand	15	
head	1	
leg	4	
mat burn	2	
shoulder	1	
unclassified	<u>32</u>	149
Concussion, brain		2
Contusion, arm	12	
back	28	
bone, maxilla	2	
rib	20	
thorax	5	
buttocks	1	
chest wall	24	
collar bone	32	
external ear	10	

Contusion, eye	16	
face	13	
finger	68	
foot	51	
forearm	1	
hand	23	
heel	32	
joint, ankle	15	
elbow	31	
hip	20	
knee	72	
wrist	3	
leg	82	
lip	10	
muscle	9	
neck	5	
nose	34	
scalp	14	
shoulder	43	
side	6	
spine	1	
testicle	2	
thigh	7	
toe	32	
unclassified	<u>85</u>	809
Dislocation, cartilage	3	
finger	5	
hip	1	
shoulder	2	
unclassified	10	
wrist	<u>1</u>	22
Foreign body, arm	1	
ear	2	
eye	99	
finger	26	
foot	8	
hand	9	
unclassified	<u>9</u>	154
Fracture, anklejoint, simple	8	
bones, clavicle, simple	2	
forearm, simple	5	
foot	5	
hand, compound	4	
metacarpal	4	
unclassified	2	
humerus	1	
leg, simple	1	
nasal septum	8	
rib, simple	15	
toe (metatarsus)	4	
finger	14	
tooth	2	
unclassified	22	
wrist joint, simple	<u>2</u>	99

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Injury, ankle	21	
elbow	4	
eye	7	
finger	23	
foot	25	
hand	13	
knee	59	
metatarsus	1	
nose	3	
rib	4	
semi-lunar cartilage	13	
shoulder	25	
testicle	3	
toe	8	
unclassified	121	
vertebra	7	
wrist	<u>7</u>	344
Sprain, ankle	430	
arm	9	
back	79	
elbow	21	
finger	47	
foot	67	
hand	11	
hip	8	
intercostals	4	
joint, foot	13	
neck	12	
knee	131	
sacro-iliac	9	
unclassified	2	
leg	23	
neck	8	
shoulder	67	
tendon	2	
thumb	41	
toe	16	
thorax	2	
unclassified	73	
wrist	<u>66</u>	1141
Strain, eye	22	
joint, ankle	9	
foot	2	
knee	7	
neck	2	
shoulder	5	
sacro-iliac	10	
wrist	6	
unclassified	16	
ligament	1	
muscle, abdomen	4	
arm	1	
back	8	
leg	5	
thumb	1	
unclassified	62	
unclassified	<u>27</u>	188

Wound, arm, punctured	2
external ear, lacerated	1
eye, incised	2
lacerated	10
unclassified	1
face, incised	1
lacerated	21
finger, incised	21
lacerated	96
unclassified	9
foot, incised	3
lacerated	10
unclassified	11
hand, incised	8
lacerated	38
punctured	4
unclassified	6
head, incised	1
joint, incised	1
lacerated	7
unclassified	3
leg, incised	1
lacerated	8
unclassified	2
lips, incised	2
lacerated	15
unclassified	1
scalp, incised	4
lacerated	16
unclassified	4
thigh, unclassified	1
toe, lacerated	8
unclassified	1
unclassified, incised	18
lacerated	38
punctured	4
unclassified	<u>10</u>

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RECAPITULATION

TABLE V - APPENDIX

RECAPITULATION

Coryza	3404
Rhinitis, acute	1725
Dysmenorrhea	1574
Pharyngitis	1268
Sprain	1141
Gastritis	868
Bronchitis	832
Contusion	809
Infection, local	780
Furunculosis	755
Headache	732
Miscellaneous ailments	580
Influenza	578
Amygdalitis	538
Blister	414
Wound	389
Abrasion	375
Sinusitis	359
Injuries	344
Dermatitis	327
Auto-intoxication	312
Wart	301
Conjunctivitis	244
Myositis	216
Laryngitis	210
Strain	188
Gastro-enteritis	187
Ceruminosis	184
Tinea	181
Appendicitis	156
Foreign body	154
Burns	149
Enteritis	141
Hordeolum	140
Acne	137
Constipation	135
Colitis	134
Fatigue	131
Tracheitis	127
Ringworm	110
Otitis media	104
Scabies	101
Canker sore	103
Cough	103
Fracture	99
Abscess	98
Arthritis	96
Herpes	94
Epistaxis	93
Callositas	92
Diarrhea	85
Cyst	75
Pes planus	69
Food poisoning	67

APPENDIX

1. The first part of the report

2. The second part of the report

3. The third part of the report

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26. The twenty-sixth part of the report

27. The twenty-seventh part of the report

28. The twenty-eighth part of the report

29. The twenty-ninth part of the report

30. The thirtieth part of the report

31. The thirty-first part of the report

32. The thirty-second part of the report

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36. The thirty-sixth part of the report

37. The thirty-seventh part of the report

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39. The thirty-ninth part of the report

40. The fortieth part of the report

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46. The forty-sixth part of the report

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48. The forty-eighth part of the report

49. The forty-ninth part of the report

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51. The fifty-first part of the report

52. The fifty-second part of the report

53. The fifty-third part of the report

54. The fifty-fourth part of the report

Neuritis	66
Adenitis	65
Myalgia	65
Hemorrhoids	62
Neuralgia	57
Eczema	57
Urticaria	55
Bursitis	55
Migraine	54
Neurasthenia	53
Pleurisy	53
Impetigo	52
Menorrhagia	52
Ulcer	52
Clavus	51
Tenosynovitis	46
Ingrowing nail	45
Vincent's angina	44
Amenorrhea	44
Astigmatism	43
Stasis intestinal	40
Insomnia	39
Backache	37
Metrorrhagia	37
Catharsis	33
Tumors	32
Torticollis	32
Goitre	31
Nervousness	31
Myopia	30
Asthma	29
Fainting	27
Gonococcus infection	28
Gingivitis	28
Hernia	26
Pediculosis	26
Paronychia	26
Mydriasis	25
Blepharitis	25
Vertigo	25
Cellulitis	24
Periostitis	23
Rheumatism	23
Dislocation	22
Pityriasis rosea	21
Hyperidrosis	21
Hemorrhage	18
Stomatitis	18
Lumbago	18
Caries of tooth	17
Adhesions	17
Cramp	15
Hay fever	15
Erythema	15
Bromidrosis	15
Cystitis	14
Mumps	14
Bites	12

Psoriasis	13
Muscle pain	13
Poisoning	13
Hallux valgus	12
Albuminuria	12
Pruritus	12
Cholecystitis	11
Skin irritation	10
Underweight	10
Varicella	10
Urethritis	10

NINE CASES: Chilblain, eustachitis, tachycardia

EIGHT CASES: Neurosis

SEVEN CASES: Exhaustion, chalazion, hysteria, iritis, lymphadenitis, nausea, sciatica

SIX CASES: Hematoma, anemia, fissure, folliculitis, variocoele, mastitis, mastoiditis, polypus (nasal)

FIVE CASES: Edema, pustule, infantile paralysis, stiff neck, tuberculosis

FOUR CASES: Dyspepsia, catarrh, alopecia, ganglion, hypertension, obesity, phimosis, seborrhea, thyroiditis

THREE CASES: Balanitis, biliousness, epilepsy, epididymitis, adenoids, dacryocystitis, exostosis, intertrigo, keratitis, measles, nephritis, pyorrhea, quinsy, syphilis, urinations (frequent), venereal wart, orchitis, deviation(nasal septum), scarlet fever

TWO CASES: Adenopathy, hiccough, angioneurotic edema, anorexia, anuria, convulsions, diabetes mellitus, endocarditis, glossitis, halitosis, hematuria, hydrocele, kidney stone, malaria, miliaria, mycosis, myocarditis, nephrolithiasis, osteomyelitis, oxyuris vermicularis, pityriasis (facial) phlebitis, pyelitis, spur, turbinates (hypertrophied), vomiting, concussion (brain)

ONE CASE: Carbuncle, anaphylaxis, pyrosis, acidosis, aphonia, arrhythmia, ankylosis, cataract, chancroid, comedo, cyanosis, dementia praecox, diabetes insipidus, ecchymosis, enteroptosis, fleas, gastralgia, hypertrophy of heart, hypesthesia, jaundice, lesion (skin), milium, myringitis, nystagmus, oopharitis, ovaritis, palpitation (cardiac), palsy, perforated eardrum peritonitis, petit mal, pleurodynia, pneumonia, pompholyx, hypertrophy (prostate gland) psychasthenia, rachialgia, retroversion (uterus), stricture, synovitis, sudamen, tinnitus, whitlow

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CIVIL SERVICE EXAMINATIONS

TABLE VI - Appendix
CIVIL SERVICE EXAMINATIONS
1927 - 28

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Total number examined	145	8	153
Married	95	4	99
Widower	2	2	4
Single	48	2	50
Age			
Average	36	43	
Minimum	16	34	
Maximum	60	59	
Possible inherited diseases in parents:			
Tuberculosis			
Paternal	2		2
Maternal	3		3
Others	7		7
Cancer			
Paternal	5		5
Maternal	9		9
Others	4		4
Neurasthenia			
Paternal	1		1
Maternal	2		2
Others			
Epilepsy			
Paternal			
Maternal			
Others	1		1
Gave no history of any of above diseases	118	8	126
Injuries sustained			
Head	5		5
Chest			
Abdominal	2		2
Other	49	1	50
Operations undergone			
Head	13	1	14
Chest			
Abdominal	10	1	11
Other	11		11
Vaccinations scar (age)			
Under 10 yrs.	39		39
10 to 20 yrs.	20	1	21
Not specified	53	1	54
20 and over	33	6	39
Sleep			
Under 7 hrs.	7	1	8
7 to 9 hrs.	136	6	142
over 9 hrs.	2	1	3

		<u>Men</u>	<u>Women</u>	<u>Total</u>
Stimulants	Tea	24	2	26
	Coffee	123	7	130
	Tobacco	101		101
	None	9	1	10
Diseases had	Measles	127	7	134
	Rubella	25	2	27
	Mumps	108	7	115
	Chickenpox	74	5	79
	Whooping cough	90	5	95
	Scarlet fever	18		18
	Typhoid fever	17	2	19
	Typhoid vac.	32	4	36
	Diphtheria	11		11
	Meningitis	2		2
	Malaria	11	1	12
	Smallpox	11	1	12
	Smallpox vac.	105	7	112
	Pneumonia	21		21
	Asthma	1		1
	Pleurisy	5		5
	Rheumatism	15		15
	Amygdalitis	10	1	11
	Chorea			
	Influenza	48	4	52
	Otitis media	1		1
	Gonorrhea	15		15
	Syphilis			
	Chancroid	1		1
	Constipation	8	2	10
	Dysentery	1		1
	Appendicitis	8	1	9
	Neurasthenia		1	1
	Poliomyelitis			
	Tuberculosis	1		1
	Wears Glasses	42	6	48
General Development	Good	121	3	124
	Fair	17	4	21
	Excellent	4		4
	Poor	3	1	4
	Not specified			
Nutrition	Thin	12	2	14
	Average	125	5	130
	Obese	8	1	9
	Not specified			
Build	Stocky	27	2	29
	Medium	43	3	46
	Slender	27	3	30
	Not specified	48		48

		<u>Men</u>	<u>Women</u>	<u>Total</u>
Eyes	Blue	67	2	69
	Gray	22	4	26
	Greenish	3		3
	Hazel	10	1	11
	Dark	6		6
	Brown	37	1	38
	Not specified			
Hair	Fair			8
	Flaxen	8		4
	Reddish	4		38
	Light brown	38		47
	Brown	43	4	34
	Dark brown	34		13
	Black	12	1	6
	Not specified	6		3
	Gray	3		
Skin	Acne	15		15
	Clear			
	Diseased			
	Dry	9	2	11
	Moist	130	5	135
Vaccination (type of scar)	Pitted	65		65
	Keloidal	15	3	18
	Smooth	32	3	35
	Not specified	33	2	35
	Over 15 mm.	96	2	98
	Under 15 mm.	16	4	20
Thyroid	Enlarged	14		14
Lymph	Cervical	23		23
	Axillary	2		2
	Inguinal	8		8
	Epitrochlear	14		14
Chest	Abnormal	3	1	4
Lungs	Abnormal	5		5
Heart	Enlarged			
	Irregular			
	Murmur	16		16
	Aortic	2		2
	Mitral			
	Systolic	11	1	12
Abdomen	Relaxed	1	4	5
	Rigid			



		<u>Men</u>	<u>Women</u>	<u>Total</u>
Hernia		5		5
Palpable	Liver			
	Spleen			
	Kidneys			
	Others			
Testes	Atrophied			
	Enlarged			
	Undescended			
	Hydrocele	1		1
	Varicocele	24		24
Penis	Circumcised	6		6
Urine	Acid	125	5	130
	Alkaline	13	2	15
	Neutral	7	1	8
	Not specified			
	Albumin	3		3
	Sugar			
Vertebral Column	Kyphosis	23	2	25
	Lordosis	9	3	12
	Scoliosis	28	1	29
Hemorrhoids		16	1	17
Flat feet	Long arches, abnormal			
	1st degree	21		21
	2nd degree	21	5	26
	3rd degree		2	2
	Anterior arches			
	Flat	43	5	48
Nose	Spur	11		11
	Deviated	14		14
	Other	2		2
Adenoids	Present			
Chr. Pharyngitis				
Tonsils	Absent	6		6
	Pathological	13	1	14
	Tags	3	1	4
Ears	Cerumen	29		29
	Chr. suppuration			
	Speech			
	Drum retracted	1		1

		<u>Men</u>	<u>Women</u>	<u>Total</u>
Eyes	Lids		2	2
	Refraction, O. D.		6	6
	O. S.		5	5
	Corrected		1	1
	Conjunctivitis	2		2
Grade	Excellent	7		7
	Good	98	1	99
	Fair	36	2	38
	Poor	4		4
	Unclassified		5	5

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